INDEX OF VOLUME VIII

Journal of the Cactus and Succulent Society of America

JULY 1936—JUNE 1937 (INCLUSIVE)

Names of plants are spelled as given in the author's copy. The Journal has made every attempt to assure accuracy of all names used, but does not guarantee them to be so. The reprint of Volumes I and II of "The Cactaceae" is not included in the index; it is expected that the index when reprinted will serve all purposes. Items in CAPITAL LETTERS indicate the title of an article. Page numbers in *Italics* (6) indicate an illustration of the item named. " Quotation marks indicate the title of a book or other work.

A.		B. B.
Acalytha bisetosa 42		Backeberg, Curt 73, 90
Acanthocalycium		Bailey, Dr. L. H. 8
formosum 146		Baja California landscape 30
oreopogon 146		Bakkers, Mrs. Neff 2, 145
Acanthocereus pentagonus 14, 24, 108, 109, 139		Balme, Juan 5
A CORRECTION 95		Band-saw sotol 56
A CORRECTION FOR NATURE MAGAZINE 139		Banks, Georgia 27
Adler, Arthur E. 218		Banks, John W. 176
Aeonium 55		Barnard, Mrs. J. C. 154
strepsicaladium 8		Bartschella schumannii 99
Agave	Agave (continued)	Barwick, Harry 217
attenuata 56	shawii 144	Bates, J. T. 217
chrysantha 56	stricta 150	Baxter, Edgar M. 50, 89, 134, 146
mitis 56	treleasii 56	Becker, George W. 40, 50
pruinosa 56	verschaffeltii 56	Becker, Herman F. 193
Akers, John 8		Begonia sp. 71
Aloe 77	Aloe (continued)	Bergerocactus emoryi 13
agrophila 58	nitens 162, 201	Bergerosedum 84
aristata 25	polyphylla 162	Berry, Dr. G. L. 153
brevifolia 26	saponaria 200	Biggers, Mrs. X. 154
Brownii tarkaensis 58	speciosa 141, 142	Bixby, Mrs. Fred 90
candelabra 162	suprafoliata 199	Blocher, Prof. Arthur 119
candelabrum 10	striata 36, 69, 162, 179	Blossfeld, Harry 90, 148
cooperi 201	thraskii 10	"Bluhende Kakteen" 56
dichotoma 162	variegata 108, 188	Bodeker, Fr. 59
ferox 162	Vossii 58	Bogusch, E. R. 38
marlothii 162, 200		Book review 44, 50, 93, 115, 127, 170
ALOES 142		BOTANICAL TRIP IN SOUTH AFRICA 199
Altamiranoa 84		Boweii volubilis 77
elongata 86		Boyce-Thompson Southwestern Arboretum 122
mexicana 100		Brachycome iberidifolia 193
AMATEURS BY AN AMATEUR 176		Brade, Dr. 75
Ancistrocactus	THE REPORT OF	Braunton, Ernest 8, 50
brevihamatus 47		Bravo H., Miss Helia 90, 118, 144, 214
scheeri 47, 144		Brice, John J. 135
Andrews, Mrs. J. N. 126, 139		Brittonastrum mexicanum 20
AN 89-YEAR-OLD ENTHUSIAST 109		Britton, Dr. N. L. 92, 112
A NEW COCHEMEIA 143		Britton and Rose Reprint following page 8, 24, 40
A NEW ECHINOCEREUS FROM ARIZONA 35		56, 88
A NEW SPECIES 9		Britton and Rose Reprint completed 37, 95
AN INCUBATOR FOR CACTUS SEEDS 116		Browningia 74
		Bryophyllum 55, 77
Annabelle, Neil E. 161 ANNUAL MEETING 50		alicae 194
ANSWERS TO QUESTION 10		Building a Glasshouse 209
		Bullard, H. O. 92
Anton, G. F. 119		Buxbaum, Dr. Franz 116, 185
ANTS, CACTI, BEEF 207		
Aporocactus flagelliformis 92		Byrnesia weinbergi 144
A RED ELOWERED OPLINITIA ENGELMANNIL		C. "Costonium Platoneium Tentamon" 147
A RED-FLOWERED OPUNTIA ENGELMANNII		"Cactarum Platensium Tentamen" 147
94		Cacti in herbaria 110
Arguroderma 44, 104		CACTI IN TEXAS 219
Argyroderma 44, 194		CACTI VS. FLOODS 161
Ariocarpus fissuratus 39, 46		Cactus and Succulent Society of Oklahoma 40, 95
Arizona Cactus and Native Flora Society 122, 161		Cactus culture in Australia 91
Arkansas cactus 126		Cactus culture in Puerto Rico 92
Armstrong, C. W. 11		Cactus culture in Minnesota 108
Astrophytum		Cactus Exhibits 3, 4, 5, 6, 7
capricorne 145		Cactus garden 26
capricornis minor 195		Cactus Nomenclature Committee 161
Atkinson, Richard G. 144		Cactus recipes 77
A YELLOW PHYLLOCACTUS? 79		Cactus replace flowers in planting 142
Aylostera 74		CACTUS SOCIETY TOUR 170

Cotyledon 55, 84 Cactus woodpeckers 154 Campbell, Ina 11 species 201 CAN YOU NAME THESE? 77, 78 Courantia 44, 85 Carabia, J. P. 202 Craig, Dr. R. T. 31, 50, 59, 90, 135, 214 Caralluma nebrownii 56 Cramba maritima, Sea-Kale 195 Cardiosperum halicaca Care of Epiphyllums 209 Crassula 55 archeri 194 Carnegie, Andrew 154 argyrophyllo 200 Carnegiea gigantea 111, 113, 135, 154 columnaris 36, 194 deceptrix 194 Carnegie Institution Desert Laboratory 122 Cartwright, Wm. E. 139 Catclaw 135 falcata 14, 26 pyramidalis 194 CEPHALIUM—FORMING CACTI AND THEIR tecta 194 **EVOLUTIONARY STAGE 167** teres 194 Cephalocereus Cephalocereus (continued) tetragona 108 brooksianus 185, 203 palmeri 145 trachysantha 26 fluminensis 167, 169 polygonus 90 gaumeri 104 sartorianus 145 Cremnophylla nutans 84, 87, 88 Cercidium microphyllum 135 Creosote bush 135 Cereus Creosote for Containers 10 hankeanus 55 Cronkhite, Minton 13 Cross, Dr. G. L. 154 hexagonus 12, 90 hexagonus, ornamental planting 12 Crown of thorns 97 jusperti 31 Cumulative index 37 littoralis 99 Cutak, Ladislaus 54 peruvianus monstrosus 113 trigonus 195 Dasylirion serratifolium 56 validus 56 Ceropegia woodii 194 Daugherty, O. H. 142 Dawson, Yale 61 Chamaecereus silvestrii 92 Cheiridopsis 44 Chemical Ink for Labels 204 Deamia testudo 145 Delaware cactus 126 Dendrocereus nudiflorus 183, 204 **CHICAGO SHOW 8** Chilenia 75 Dendrosedum 86 **CHRISTMAS CACTUS 173** Denmoza rhodacantha 148, 207 Chubb, Mrs. R. A. 153 Chubb, R. A. 2, 95, 98, 133 Dennis, J. Carey 173 Denny, J. Sherman 50 Desert Christmas cactus 52 Cissas quadrangularis 201 Desert scene in California 122 Cleistocactus 74 Clover, Elzada U. 93 Dietrich, A. E. 31 Dimorphotheca ecklonis 162 Clum, Clarence L. 50, 82 Cochemia Dinteranthus 44 maritima 143, 144 Discocactus 169 DISTRIBUTION OF CACTI IN CUBA 202, 202 pondii 144 Cole, Fred W. 135 Dodds, Dr. Leonel G. 146, 207 Dodge, D. O. 43 COLLECTING CACTI FOR HERBARIA 110 Dolichothele sphaerica 62, 109 Donkey's tail 30, 70, 71 Collecting in Cuba 202 COLLECTING IN DUBLIN, IRELAND 188 Dorn, Apotheker 72 Collecting in Santo Domingo 90 Dudleya 44, 84, 126 Collecting Stapelieae 199 species 86 COLLECTING SUCCULENTS IN MEXICO 18, 19, Dudleya flower cross-section 84 Dunn, Preston J. 189 Collins, Jenny 8 Duursmas, G. D. 73 Coniothyrium euphorbiae 41, 42 Dyckia 77 COMMITTEE ON NOMENCLATURE 66 Dyer, R. A. 162, 187, 199 Connecticut cactus 126 Conophytum 36, 44, 194 Echeveria (continued) batesii 217 Echeveria 77, 82, 126 agavoides 44 cuspidata 44 Copiapoa 75 Coral aloe 36 agavoides corderoyi 45 discolor 44 CORRECTION 10 alpina 192 elatior 20 Corynephyllum 84 viride 70, 72 angusta 20, 44 elegans 8, 144 elegans kesselringiana 44 atropurpurea 72 Coryphantha elegans simulans 44 Coryphantha (continued) backebergii 44 expatriata 192 aggregata 216 nickelsae 62, 144 bicolor 44 pallida 144 gigantea 20 arizonica 107 brachyantha 45 pectinata 62 glauca pumilla 44 chlorantha 106 bracteolata 44 cubensis 204 recurvata 216 buchtienii 44 glauca tolucensis 44 echinus 62 canaliculata 72 gloriosa 45 robustispina 109 erecta 8 runyonii 62 chiapensis 44, 72 goldmani 44 grandifolia 192 harmsii 20, 85, 172 macromeris 47 sulcata 62 chihuahuensis 44 vivipara 62, 109, 126 muehlenpfordtii 62 chiclensis 44 neo-mexicana 62 chilonense 44

Echeveria harmsii multiflora 72 Echinopsis (continued) Echinopsis ancistrophora 115 formosa gilliesii 148 hybrid Doris Taylor 136 leucotricha 194 evriesii 109 formosus 207 multiplex 104, 109 linguaefolia 85, 87, 88, 192 formosa 146 lozani 72 EDITORIAL 36lurida 70 **EDITOR'S NOTE 21, 82, 206** microcalyx 72 **EDUCATIONAL SHOW 47** minutiflora 100 EFFECTS OF FREEZE UPON ARIZONA PITAminutifoliata 44, 72 mutabilis 191, 192, 193 HAYA 171 neglecta 44 "El Genero Melocactus en Cuba" 204 Ely, J. D. 219 Encelia farinosa 135 nodulosa 44 nuda 72 Encephalartos 162 Engelmann, George 183 nuda montana 44 obtusifolia scopulorum 44 palmeri 20 Epiphyllum (continued) Epiphyllum 77 paniculata 44 ackermannii 109 crenatum 79 peacockii 44 oxypetalum 108 cooperi 79 peruviana 44 Epithelantha 145 pringlei 72 micromeris 46, 109 pulvinata 136 Eriosyce 74 quitensis sprucei 44 Escobaria 144 Escobaria (continued) racemosa 70, 71 sneedii 62 bella 62 rosea 85 dasyacantha 8, 62 tuberculosa 62 rubromarginata 45, 72 schaffneri 44 runyonii 62 Euphorbia (continued) mammillaris 67 Euphorbia 77 scheerii 192 aggregata 179 secunda byrnesii 44 canariensis 81 mauritanica 67 Echeveria sessiliflora pinetorum 44 candelabrum 8 meloformis 69 clava 69 meloformis prolifera 137 subessilis 44 set-oliver 172 clavigera 201 neriifolia 213 setosa 136, 165, 172 tenuis 44, 72 coerulescens 69 obesa 21, 188 polygona 69, 179, 188 simulans 44 tepeacensis 44, 72 cooperi 179, 188 strictiflora 88 tobarensis 72 pulcherrima 42 subalpina 192 venezuelensis 44 dinteri 81 pulvinata 162, 179 subrigida 19, 44 whitei 44, 194, 195 eliptica 69 globosa 69 resitutum 162 Echeveria flower cross-section 84 gorgonis 69 schinzii 179 **ECHEVERIA HYBRIDS 191** grandidens 8 squarrosa 15 Echeveria on Norfolk pine 71 splendens 77, 97, 108 havanensis 213 inermis 68 stellata 69 ECHEVERIA SET-OLIVER NEW HYBRID 172 lactea 41, 42, 212 triangularis 69 Echinocactus ledienii 67, 68 formosus 146, 207 **EUPHORBIA ENTHUSIASTS 166** gilliesii 148 grusoni 8 **EUPHORBIA LACTEA IN FLORIDA 212** horizonthalonius 189 "Euphorbia Review" 81, 188 ingens 30 Evolution of Cactus 167 nidus 75 Excursion Botanica a la Costa S. de Baraçoa" 204 polycephalus 106, 135, 189 **EXPERIENCES OF AN AMATEUR 76** senilis 75 weberbaueri 74 xeranthemoides 106 Faucaria 44, 194 Echinocereus albispinus 133 tigrina 26 Echinocereus (continued) Fenestraria ledingii 35 aurantiaca 194 amoenus 103 lloydii 46 rhopalophylla 194 berlandierii 92 longispinus 133 blanckii 45 mojavensis 106 Ferocactus Ferocactus (continued) brandegei 56 octacanthus 45, 106 acanthodes 135 rostii 8 chloranthus 8, 45 oklahomensis 2 hamatacanthus 8, 46, 145 stainesii 8 coccineus 106 papillosus 45, 109 uncinatus 8, 46 johnsonii 106 conoideus 45 pentalophus 45 wislizeni 8, 46, 106, 204 lecontei 8, 106 ctenoides 45 perbellus 2, 46 melocactiformis 8 dasyacantha 8, 45 polyacanthus 8 Fertilizer experiments on cactus 92 Fields, R. W. 91 davisii 45, 139 pulchellus 103 dubius 46 purpureus 153 Fig marigold 193 Fischer, Dr. A. 217 engelmannii 35, 106 reichenbachii 2, 46, 109, chrysocentrus 35 153 Fish-hook cactus 114 enneacanthus 46 roetteri 46 Fisk, R. N. 126, 175 stramineus 8, 38, 46 fendleri 46, 106 Flood and freeze do not kill cactus 219 triglochidiatus 45 ferrerae 8 Flower description 176, 177 "Flowering plants of South Africa" 130 Fottrell, Henry B. 188 fitchii 46 viridiflorus 45, 107 Echinomastus Fournier, Dr. E. 50 dasyacanthus 46

Frailea 74

intertextus 8, 46

Franceria Franceria (continued) Hoodia gordonii 194 Houghton, Dr. A. D. 61, 150 How Plants Are Named 205 ambrosioides 135 deltoidea 135 Francis, A. 153 Free, Montague 193 Hudgins, Miss Sula 135 Freezing temperature on cactus 155 Huernia (continued) Huernia Freezing temperature on succulents 155 insigniflora 128 nouhuisii 9 French cactus book 50 loeseneriana 9 whitesloaneana 1, 9 Frick, G. A. 21, 81, 43, 154
Froederstroem, Dr. H. 88
FROM A FAR AWAY COUNTRY 95
FROM A MEMBER IN ILLINOIS 119
FROM A WASHINGTON PAPER 216 Hume, Prof. Alfonze 217 Hummel, E. C. 15, 102, 119 Hunnemannia fumariaefolia 150 **HUNTINGTON BOTANICAL GARDENS 34, 141** Hurling, J. 36 Hurst, H. E. 90 FROM ENGLAND 40 Hutchison, Mrs. Louisa W. 40 FROM OKLAHOMA 40 FROM PRICKLY GIANTS TO DOWNY MIDGETS Hutchison, Ted 40, 144, 145, 161, 210 Hyde, Mrs. James H. 98 G. Hyde, James H. 133, 153, 154 Garrambullo 52 Hylocereus (continued) trigonus 104 Hylocereus Gates, Howard E. 2, 8, 50, 89, 90, 99, 122, 161, 170, antiquensis 104 173 triangularis 104 undatus 145 Gasteria (continued) Gasteria 77 Hyptis emoryi 135 hybrid 26 pulchra 188 Genin, Augusti 5 **IDENTIFICATION 102** Gibbaeum 44, 162, 179 Gilkey, J. E. 133, 154 Glasshouse 123, 124, 174 ILLUSTRATED NOTES IN CRASSULACEAE 100, **IMPORTANT WORK ON ALOES 58 GLASS HOUSE CONSTRUCTION 123** Incubator heating regulation 116, 117 Glasshouse in Canada 152 Indiana cactus 126 **GLASS HOUSES 66** Interesting Mamillarias from Lower California 215 **GLOSSARY OF SUCCULENT TERMS 27** Iowa cactus 126 Glottiphyllum 179 linguiforme 3 Gormania 84, 126 Gourlay, E. S. 115 Ironwood 135 Jatropha spathulata 135 Jelinek, Mrs. Clara M. 108 Graptopetalum 44, 84 Graptopetalum (continued) Jepson, W. L. 93 amethystinum 86 pachyphyllum 45 Johansen, Dr. D. A. 88 Grimes, Harry 50 GROWING CACTI IN A NEW YORK APART-MENT 189 GROWING CACTI IN KANSAS 209 Johnson, Mrs. Harry T. 154 Jones, Marcus E. 99 Jones, Mrs. Winnie E. 153 Journal editorial office moved 37 "Journal of South African Botany" 58 Growing cactus 137
GROWING INSTRUCTIONS 21 Journal of the New York Botanical Garden" 41 GROWING SUCCULENTS IN AUSTRALIA 91 Grusonia wrightiana 134 "Kaktus ABC" 90 Guererro, Salvadore 214 Kalanchoe 55 blossfeldiana 55 Kantsheff, Mrs. Laura 7 Keen, Ray A. 66, 204 Kelly, R. W. 50, 148 Haageocereus pacalaensis 8 Haas, Mrs. Cyril H. 95 Hall, H. 40 Hallenbeck, Cleve 10 Kelk, Mrs. Tom 154 Halloway, Mrs. P. D. 213 Kennedy, Dr. F. L. 50 Hamatocactus setispinus 46, 109, 218 Kentucky cactus 126 Harder, John H. 5 Kimes, Wm. F. 137 Harmer, A. S. 216 Harrisia Kincher, Margaret 27 Harrisia (continued) Kitchingia mandrakensis 8 Kleinia 193 fernowi 204 taylori 204 nashii 105 stapeliaeformis 25 Haselton, Scott 5, 21, 37, 45, 50, 66, 82, 89, 95, 119, tomentosa 194 Klein, George W. 153 127, 139 Hasseanthus 84, 126 Knuth, Count F. M. 90, 167 Krejci, Albert 13 species 125 Haworthia Haworthia (continued) margaretifera 36 Kruger, Lewis J. 11 attenuata 26 cymbiformis 188 Lahman, Mrs. Marion S. 154 Lanier, Mrs. Emma C. 183, 204 Hechtia 145 Herbarium specimens of cactus 110 Lapideria 194 Hereroa odoratum 44 "Las Cactaceaes de Mendoza" 147 Herre, H. 1 LATIN PLANT NAMES 205 Hertrich, Wm. 34, 50, 66, 89, 142, 170 Higgins, Mrs. Vera 148 Hilaria rigida 135 Hoag, G. G. 50 Leaf illustrations 27 Leckie, Charles R. S. 175 Leding, A. R. 35 Lee, Mrs. Marjorie 95, 153 Hollst, H. F. 4 Lemaireocereus Lemaireocereus (continued) Homalocephala texensis 8, 47, 144, 219 chichipe 8 hystrix 184, 203

Menke, H. William 14, 57 Lemaireocereus (continued) Mesembryanthemum cordifolium 194 littoralis 99 thurberi 171, 216 pruinosus 145 treleasei 145 queretaroensis 8 densum 194 Lenophyllum acutifolium 86 odoratum 44 Leon, Hermano 183, 204 roseum 33 Mesembryanthemum for winter flowers 43 Leptocereus Mesquite 135 maxoni 203 Mexican bush-poppy 150 Michigan cactus 126 sylvestris 203
"Les Cactees et les Plantes Grasses" 50 Letty, Miss Cythna 130 Midwest Cacti and Succulent Society 89, 122, 142 Lewis, B. R. 30 Miller, Roy 8 Lewis, Dr. Llewellyn R. 129 MISSOURI BOTANICAL GARDEN 54 Missouri Botanical Garden succulent house 54 Lindsay, George 61, 90, 143 Lipinus sparsiflorus arizonica 135 Mistletoe on cactus 207 Mitchell, J. D. 212 Moffatt, Elizabeth 109 Moffat, Will S. 109 List of frost-resistant cactus 159 List of frost-resistant succulents 160 Lithops 44, 55, 194 lesliei 181, 188 Lithops (continued) Monatsschrift der Deutschen Kakteen Gesellschaft" rubra 217 marmorata 217 "Monographia Cactacearum" 149 Lobivia Lobivia (continued) MONUMENT TO A VANDAL'S ORGY 154 allegraiana 74 longispina 8 andalgalensis 15, 115 Monvillea 74 mistiensis 74 oreopepon 146 poco 148 cavendishii 56 insularis 75 binghamiana 74 corbula 74 euanthema 75 shaferi 115, 115 maritima 74 Moran, Reid 84, 126 tegeleriana 74 formosa 146, 148, 149 Morawetzia doelziana 74 hertrichiana 74 wrightiana 74 incaica 74 Morelock, Dr. W. H. 219 Murphey, Miss Adelia 53 Mutilated giant cactus 154 MY FIFTH SOUTH AMERICAN EXPEDITION 73 LOBIVIA FORMOSA (PFEIFFER) New Comb. 146 LOBIVIA SHAFERI AND ECHINOPSIS ANCIS-TROPHORA 115 Long, F. R. 67 NAMES OF PLANTS 112 LONG BEACH CACTUS CLUB 40 Nananthus 44 Lophophocereus schottii 135, 171, 216 Natal 199 Neale, W. T. and H. E. 3 Nel, Dr. G. C. 9 Neobesseya Lophophora williamsi 39, 46 Loewenthal, Herman 174 Lowry, Sr., Dr. W. E. 77 Luckhoff, Carl 131 missouriensis 62 Lycium similis 62, 108 berlanderi 135 wissmannii 62 fremontii 135 Neolbydia texensis 47 Lyons, Virgil 135 Neomammillaria Neomammillaria (continued) karwinskiana 31 applanata 63 blossfeldiana 31, 144 Machairophyllum albidum 44 lasiacantha 63 meiacantha 63 Maguey 20 Malacocarpus 74 camptotricha 31 microcarpa 63, 107, 135 multiceps 40, 63 compressa 8 catamarcensis 207 dawsonii 61, 144 MAMMILLARIA 59, 74 Mammillaria (continued) denudatum 63 peninsularis 99 albicoma 104 gatesii 99 elegans 8 petrophila 99 bocasana inermis 105, prolifera 90, 204 hemisphaerica 63 plumosa 108, 144 heyderi 63, 108, 144 pottsii 63 NEOMAMMILLARIA DAWSONII 61 103 pusilla 40 ruesti 216 tiegeliana 31 carrettii 60 dioica 114 Neoporteria 75 fischeri 31 weingartiana 59, 60 MAMILLARIA GATESII sp. nov. 99 MANCHESTER PLAYGROUND CACTUS SHOW Neoraimondia 74 Neowerdermannia chilensis 65, 73 Nephrolepis cordifolia 195 New Jersey cactus 126 New lists 10, 25, 50, 139, 161, 166 New Species 1, 9, 9, 35, 73, 99, 210 NEW GARDEN SPECIES 136 NEW YEAR APOLOGIES 119 New York cactus 126 Manning, Dr. Jacolyn 13 Marshall, Wm. Taylor 10, 27, 50, 58, 89, 90 Maryland cactus 126 Massachusetts cactus culture 76 Matucana 74 Nickels, Anna B. 109 Maxon, Dr. William R. 183 McAllister, Otis 88 Night-blooming cereus 114 McCoy, Frank J. 13 McFarland, Frank T. 173 microcarpa 35 McGaughey, Roy S. 40 Mediolobivia 74 rubriflora 75 Melocactus 169 recurvata 56 Nomenclature Committee named 89 Nopalea dejecta 204 Nopalxochia phyllanthoides 108 Melocactus (continued) acunai 203 harlowii 203 North Dakota cactus 126 gilliesii 148 lemairei 90 NOTES FROM MINNESOTA 108 5

NOTES FROM MEXICO 144 NOTES FROM THE MILWAUKEE CLUB 217 NOTES ON THE HABITAT AND DISTRIBUTION OF GRUSONIA WRIGHTIANA 134 Nyctocereus serpentinus 92, 114, 139, 190 0. OBSERVATIONS FROM G. F. ANTON 92 OBSERVATIONS ON FROST RESISTANCE 155 Ocotillo 135 Oenothera decorticans 135 Ohashi, Ayako 6 OKLAHOMA FLOWER SHOW 95 Oklahoma Notes 2, 98, 133, 153 Oliveranthus 44, 85 elegans 172 "Onze Cactussen" 73 Opuntia acanthocarpa 105 aciculata 23 allairei 22 alta 23 anahuacensis 24 angustata 105 arbuscula 52 arenaria 24 atrispina 23 bahiensis 204 ballii 23 basilaris 105, 109 bentonii 23 bigelovii 135, 138 cacanapa 23 caribaea 53 compressa 173, 175 cubensis 203 cyanalla 23 davisii 22 deltica 23 diversispina 23 dillenii 203 echinocarpa 105 ellisiana 24 engelmannii 23, 94 erinacea 106 ferruginaspina 24 flexospina 24 fragilis 24, 52, 107, 126 fragilis frutescens 52 frutescens 52 frutescens brevispina 52 frutescens longispina 40, 52 fulgida 51, 135 fuscoatra 22 gilvoalbo 24 gomei 24 grahamii 22, 39 grandiflora 22 gregoriana 23 humifusa 126, 173, 175 imbricata 2, 22, 39 imbricata cristata 8 kleiniae 22, 40, 52 laxiflora 24 leptocaulis 39, 51 leptocaulis longispina 53 leptocaulis stipata 53 lindheimeri 23 linguiformis 23 macateei 22 mackensenii 23 macrantha 184, 203 macrocalyx 109

macrocentra 23, 40

macrorhiza 22

Opuntia (continued) microrhiza 126 militaris 203 mortolensis 53 nemoralis 22 opuntia 107, 126, 173, 175, 175 polyacantha 24, 106, 107, 126 phaeacantha 23 pollardii 175 pottsii 23 pyrocarpa 24 rafinesquei 126, 173, 175 ramosissima 53, 135 ramulifera 52 rhodantha 106 rufida 22, 40 schottii 22 sinclairii 24 sp. crest 113 stricta 23 strigil 22 subarmata 24 subulata 193 sulfurea 207 tardospina 23 tenuispina 23 tesajo 53 tessellata 52 texana 24 tortispina 22, 107 trichophora 24 tricolor 24 truncata 145 tunicata 203 vaginata 52 vaseyi 94 vexans 22 viregata 52 vulgaris 126, 173, 175 whippelei 105 wrightii 52 xanthoglochia 22 Opuntia information wanted 170 Opuntia grafted with many species 91 OPUNTIA LEPTOCAULIS 51 OPUNTIA NAMES 175 Oreocereus (continued) Oreocereus hendriksensianus 75 celsianus 75 Oroya 74 Orpet, E. O. 2, 90 OUGHT CACTI BE GIVEN FERTILIZER? 185 Overholtzer, W. O. 135 Pachycereus Pachycereus (continued) gaumeri 103 grandis 118 Pachyphytum 44, 84 brevifolium 210 compactum weinbergerii 86 heterosepalum 88 oviferum 86, 210 viride 210, 211 PACHYPHYTUM VIRIDE, A NEW SPECIES 210 Pachysedum 86 Palo Verde 135 Parts of a Stapelia 132 Pedilanthus 193 Pediocactus simpsonii 106, 107 Peebles, R. H. 35 Peniocereus greggii 24 Pennsylvania cactus 126 Pereskia aculeata 168 cubensis 185, 203 pereskia 168

Pereskiopsis velutina 194 Sansevieria 77 Perisolobus Bijleae 43, 44 laurentii 109 Sanzin, Renato 147 Saylor, Oliver 135 Phellosperma tetrancistra 107 PHYLOGENY OF ECHEVERIA 82, 83 Scale Treatment 10 Piaranthus globosus 128 Schmoll, Mrs. Ferdinand 3 Schmoll, Ferdinand 30, 31, 210 Pierce, Wright M. 135 Pilocereus erythrocephalus 147 Pinus cembroides 18 Schultz, Allen 38 Place, Mabelle 8 Sclerocactus Sclerocactus (continued) polyancistrus 31 Searle, Mrs. R. A. 154 whippeli 106 PLAN FOR COMPLETING "THE CACTACEAE" insert No. 1 Sedastrum 84 Plant Names 112, 205 ebracteatum 100 Pleiospilos 44, 194 Sedum (continued) Sedum 85 Pleiospilos withstands cold 166 Poindexter, John 43 Poindexter, Dr. R. W. 5, 43, 50, 73, 89, 116, 136, 155, 166, 185, 205 Porto, Dr. Campos 75 Portulacaria afra 67, 67, 69 adolphi 72 species 71 clavifolium 70 treleasii 87 pachyphyllum 70 Seela, Mrs. F. P. 95 Seela, Mrs. Jessie L. 98 Seela, Mrs. S. P. 153 Potter, Milo D. 40 Selaginella lepidophylla 195 Powers, A. E. 154 Selenicereus Selenicereus (continued) Prater, Mrs. E. G. 135 acutangulis 57 murrilli 57 PRESIDENT'S MESSAGE 2, 89, 122, 161 boeckmannii 57, 105 nelsonii 57 Pretoria 199 brevispinus 57 pringlei 57 Pterocactus tuberosus 207 coniflorus 57, 105 pteranthus 57, 57, 195 Pulleine, Dr. R. H. 10 donkelarii 57 pseudospinulosus 57 flavicomatus 57 roseanus 58 **QUESTIONS 204** grandiflorus 57, 79, 204 rostratus 58 Quinn, Guy 8 hamatus 57 spinulosus 45, 58, 145 R. urbanianus 58, 105, 204 hondurensis 57 Rabia 44 humilis 57, 105 vagans 17, 58 Radley, F. 161 Rat-Tail cactus 114 viridicarpus 58 inermis 57 knuthianus 57 wercklei 49, 58 Rebutia macdonaldiae 57, 58, 77 blossfeldiana 75 Senecio 7 dasyphrissa 75 Sellers, Blanche E. 139 minuscula 219 Shafer, Dr. J. A. 150 oculata 75 Shreve, Dr. Forrest 89, 161 sarothroides 56 Simout, Phillip J. 202 xanthocarpa coerulescens 75 Sketch of Don Graham's Kansas Workship 211 Red Flowered Echinocereus 15 Skinner, Don B. 2, 8, 89 Red Flowering Trichocereus 15 Skinner, Mr. and Mrs. Don B. 210 Reed, Dr. Carlos 207 Sloane, Boyd L. 9, 58, 90, 129, 170, 194, 199 "Refugium Botanicum" Saunders 86 Small, Dr. Don K. 175 Reiter, Jr., Victor 8, 20, 70, 172 Smeltzer, Mrs. W. E. 153 Smeltzer, W. E. 154 REMARKS BY THE WANDERING ECOLOGIST IN THE WEST INDIES 104 Smith, Anne 105 Smith, Mrs. Lulie G. 76 Resurrection plant 195 Smoke tree 135 REVISION OF THE GENUS ECHINOCEREUS 93 Society meetings 18, 34, 98, 166, 170, 182 Reynolds, G. W. 10, 58, 199 Rhipsalis 75, 77 cassutha 145, 204 Solomon, Herbert J. 5, 11
SOLVING THE GLASSHOUSE PROBLEM 174
SOME CUBAN TREE-LIKE CACTI 183
SOME OF THE LITTLE TREASURES OF OUR
VELDT 36 Rhombophyllum rhomboideum 26 Rimaria 194 Ritter, Frederick 60 SOME SUCCULENTS OF THE PORT ELIZABETH Rochea 55 SOUTH AFRICA DISTRICT 67 Rodgers, John E. C. 142 South African succulents 36 Roller, Otto 7 South African succulent gardens 162, 163 Rooksby, Mrs. Ellen 8 Rose, J. N. 112, 150 Ross-Craig, Miss S. 132 SPECIALIZATION 57 Spegazzini, Carlos 147 Sphaeralcea coulteri 135 Rosularia 85 Standley, Dr. Paul C. 88, 89, 119 Rot fungus on Euphorbia 41 Stapelia (continued) Stapelia 77 Rot fungus on Stapelia 41 ambigua fulva 56 pulvinata 131 Route of Tour by Reynolds, Verdoon and Dyer 200 comparabilis 129 rufa 36 Russel, Paul G. 150 gemiflora 36 variegata 36, 109, 132 Rutter, Walter A. 142 gigantea 41 variegata hybrid 121 hirsuta 36 Salicornia herbacea, Samphire 195 Stapeliae flowers 25 Salinas, Ladislao 19, 20 Starck, Gustav 2, 90 Steele, Clarian 79 San Fernando Valley Cactus and Succulent Society 142 SAN GABRIEL VALLEY CACTUS CLUB 40, 135 STEM-ROT OF EUPHORBIA LACTEA 41

Van Tress, Robert T. 8 Venidium decurens 193 Stomatium 44 Stowe, Miss Grace H. 95 Verdoon, Miss J. C. 199 Strong, Irvin 50 Villadia (continued) Strophocactus wittii 75 Villadia 84, 100 Stumpp, Karl 12 Sturm, Mrs. T. J. 135 Stylophyllum 44, 84, 126 cucullata 150, 151 parviflora 100 painteri 70, 150, 151 squamulosa 86 Virginia cactus 107 Viscum minimum 188 sp. 86 Succulent Arrangement 3, 4, 5, 6, 7, 11, 12, 13 SUCCULENTS AT THE EMPIRE EXHIBITION 187 Voll, O. 75 Vol. VIII, No. 1, 1 No. 2, 17 No. 3, 33 Succulent exhibit at international flower show 194 Sul Ross Texas State Teachers' College 219 Surganty, William 50, 89 Swaziland 199 No. 4, 49 No. 5, 65 Swingle, Dr. Deane 89 No. 6, 81 No. 7, 97 No. 8, 121 TAKE A PART IN YOUR JOURNAL 166 No. 9, 141 Tasajillo 52 No. 10, 165 Tavaresia grandiflora 130 No. 11, 181 Taylor, Lois Chambers 110 No. 12, 197 Taylor, Dr. Walter T. 171 Taylor, Dr. Wm. Fuller 136 von Poellnitz, Karl 144 Tegelberg, Gilbert 8, 50 Tegue, E. D. 135 Walker, Miss Kate 2, 31, 90 "Texas Cacti" 22, 38 Walters, Henry 154 Walther, Eric 5, 8, 18, 30, 58, 82, 70, 89, 100, 125, 150, 166, 172, 191, 210
Ward, Mrs. Clarence 135 "The Cactaceae" 113, 147, 204 "The Cactus Book" 115 The Last Frontier International Park 219
"The Other Succulents" 37 Warm Water for Plants 204 THE ROCKERY IN JOHANNESBURG 162
"The Stapelieae" 121, 127, 170 Washington cactus 107 Washington Cactus and Succulent Club 216 Thelocactus bicolor 47 Watering experiments on cactus 92 Webser, Dr. H. J. 89, 98
Webser, Mrs. G. D. 2
WEST INDIAN ECOLOGICAL EXPEDITION 90 THIS CACTUS HOBBY! 137 Thompson, Charles Henry 100 THOMPSONELLA 100 Thompsonella 44, 84 West, James 166, 197 Weston, W. T. 50 minutiflora 86, 100, 101 platyphylla 100, 101 West Virginia cactus 126 Tillandsia 145 WHAT GOES WHERE? 22, 45, 105, 126 Whiser, Mrs. H. W. 135 White, Alain 9, 58, 90, 129, 170, 176, 194, 199 Whitehead, Jack 51 Whiteman, J. D. 10 usneoides 195 Titanopsis 44 Titanopsis withstands cold 166 Tlatocnochtli 21 Tobusch, Herman 13, 31 White, Pat 217 Wier, Wilbur H. 123 TOUMEYI PAPYRACANTHA 10 Toumeyi papyracantha 8, 10 Trapp, Mrs. Joseph C. 142 TRIBULATIONS OF AN INDIANA COLLECTOR Wiese, C. L. 154 Wiggins, Dr. Ira L. 89, 134, 161, 171, 205 Wilcoxia poselgeri 8, 24, 40, 144 Williams, Richard 142 Willis, R. E. 57 Trichocaulon flavum 194 WINTER ALSO 43 officinale 194 Wisconsin cactus 107 meloforme 194 Woodbury, Dr. A. M. 94 Woods, Robert S. 31, 94 Trichocereus Trichocereus (continued) candicans 207 poco 148 Wright, Charles 184 strigosus 207 chilensis 207 Wyoming cactus 107 huasha 15 Trichodiadema densum 194 XEROPHYTE EXHIBIT IN BROOKLYN 193 Tsuruoka, G. 6 Tulip Tulip (continued) clusiana 195 kaufmanniana 195 Yellow epiphyllum 79 Turner, Kimball 139 Turner, Mrs. Grace L. 142 Yellow-fruited Opuntia leptocaulis 53 YOUR GLASS CASTLE 204 Turner, Wm. T. 142 Yucca elephantipes 56 U. valida 30, 144 University Horticultural Society 7, 8 Urbinia 44, 88 7. Zoutpansberg, Transvaal 1 Zululand 199 Utah cactus 105 Utah Opuntia information wanted 25 Utahia sileri 106 'Zur Kenntnis der Gattung Echeveria' 44 Zygocactus 77 VAGABONDING IN LOWER CALIFORNIA 214 truncatus 56, 108 Vandenburgh, Mrs. Jesse 98, 153 Zygocactus culture 173

